

Recovery Plan Action Status

Plan Name: Piping Plover Atlantic Coast Population Revised Recovery Plan

Plan Status: Final Revision 1

Plan Date: 02-May-96

Lead Agency: USFWS

Lead Office: Office Of The Regional Director

(2413)

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Piping Plover (Charadrius melodus)	2	1.11	Monitor plover abundance, distribution, and productivity in each recovery unit.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Other	Internal Field Assistance, Internal Technical Assistance	Cost of data compilation only; data collection by site reflected in tasks 1.3 and 1.4
Piping Plover (Charadrius melodus)	1	1.12	NY/NJ and Southern Units: Monitor plover breeding activities at nesting sites to identify limiting factors.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Other	Internal Field Assistance, Internal Technical Assistance	Costs included in tasks 1.3 and 1.4
Piping Plover (Charadrius melodus)	2	1.12	New England: Monitor plover breeding activities at nesting sites to identify limiting factors.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Other	Internal Field Assistance, Internal Technical Assistance	Costs included in tasks 1.3 and 1.4

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Piping Plover (Charadrius melodus)	1	1.21	Discourage construction of structures or other developments that will destroy or degrade plover habitat.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Federal Emergency Management Agency, State Coastal Regulatory Agencies, State Wildlife Management Agencies, U.S. Army Corps of Engineers, USFWS Regional Office 4 - Ecological Services, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Land Use	Internal Technical Assistance	Costs are contingent on numbers and types of projects proposed
Piping Plover (Charadrius melodus)	1	1.22	Discourage interference with natural processes of inlet formation, migration, and closure.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Federal Emergency Management Agency, State Coastal Regulatory Agencies, State Wildlife Management Agencies, U.S. Army Corps of Engineers, USFWS Regional Office 4 - Ecological Services, Land Management Agencies and Organizations, Region 5 - Ecological Services	Other	Internal Technical Assistance	Costs are contingent on numbers and types of projects proposed

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Piping Plover (Charadrius melodus)	1	1.23	Discourage beach stabilization projects at current or potential breeding sites.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Federal Emergency Management Agency, State Coastal Regulatory Agencies, State Wildlife Management Agencies, U.S. Army Corps of Engineers, USFWS Regional Office 4 - Ecological Services, Land Management Agencies and Organizations, Region 5 - Ecological Services	Other	Internal Technical Assistance	Costs are contingent on numbers and types of projects proposed
Piping Plover (Charadrius melodus)	2	1.24	Enhance nesting and feeding habitat, especially where existing stabilization projects have disrupted natural coastline projects.	Ongoing Current	Prior to FY 1995		National Park Service, State Coastal Regulatory Agencies, State Wildlife Management Agencies, U.S. Army Corps of Engineers, Region 5, Division of Refuges and Wildlife, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Habitat Maintenance and Manipulation	Contract, Internal Field Assistance, Internal Technical Assistance	

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Piping Plover (Charadrius melodus)	1	1.3	NY/NJ and Southern Units: Reduce disturbance of breeding plovers from humans and pets.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, USFWS Regional Office 4 - Law Enforcement, Region 5 - Law Enforcement, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Other	Internal Field Assistance, Internal Technical Assistance	Includes costs for task 1.12 in NY/NJ and Southern Units. Costs could be reduced by adopting less labor-intensive practices, but greater impacts on beach users would be incurred.
Piping Plover (Charadrius melodus)	2	1.3	New England: Reduce disturbance of breeding plovers from humans and pets.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Region 5, Division of Refuges and Wildlife, Region 5 - Law Enforcement, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Other	Internal Field Assistance, Internal Technical Assistance	Includes cost for task 1.12 in New England. Costs could be reduced by adopting less labor-intensive practices, but greater impacts on beach users would be incurred.
Piping Plover (Charadrius melodus)	1	1.4	NY/NJ and Southern Units: Reduce predation	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Animal Damage Control (USDA) , Region 5, Division of Refuges and Wildlife, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Depredation Control	Internal Field Assistance, Internal Technical Assistance	Includes costs for task 1.12 in NY/NJ and Southern Units. Costs could be reduced by adopting less labor-intensive practices, but greater impacts on beach users would be incurred.

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Piping Plover (Charadrius melodus)	2	1.4	New England: Reduce predation	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Animal Damage Control (USDA) , Region 5, Division of Refuges and Wildlife, Land Management Agencies and Organizations, Region 5 - Ecological Services	Management: Depredation Control	Internal Field Assistance, Internal Technical Assistance	Includes cost for task 1.12 in New England. Costs could be reduced by adopting less labor-intensive practices, but greater impacts on beach users would be incurred.
Piping Plover (Charadrius melodus)	1	1.5	Protect breeding plovers and habitat from oil and chemical spills	Ongoing Current	Prior to FY 1995		State Coastal Regulatory Agencies, State Wildlife Management Agencies, United States Coast Guard , Region 5, Division of Refuges and Wildlife, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, Region 5 - Ecological Services	Other	Contract, Internal Field Assistance, Internal Technical Assistance	Costs are contingent on number and magnitude of spills.
Piping Plover (Charadrius melodus)	3	1.6	Provide long-term protection for breeding plovers and habitat.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Fish and Wildlife Enhancement, USFWS Regional Office 4 - Ecological Services, R5 Fish & Wildlife Enhancement, Realty, Land Management Agencies and Organizations, Region 5 - Ecological Services	Acquisition: Management Agreement, Management: Planning	Internal Technical Assistance	Costs are To be determined (TBD)

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Piping Plover (Charadrius melodus)	2	2.11	Monitor abundance and distribution of wintering plovers at known sites.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, USFWS Regional Office 2 - Ecological Services, USFWS Regional Office 2 - Refuge, Land Management Agencies and Organizations	Other	Internal Field Assistance, Internal Technical Assistance	Costs are for NC, SC, GA, and FL
Piping Plover (Charadrius melodus)	2	2.12	Determine additional wintering sites.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, USFWS Regional Office 2 - Ecological Services, Land Management Agencies and Organizations	Other	Internal Field Assistance, Internal Technical Assistance	
Piping Plover (Charadrius melodus)	2	2.13	Identify limiting factors at specific wintering sites.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, USFWS Regional Office 2 - Ecological Services, USFWS Regional Office 2 - Refuge, Land Management Agencies and Organizations	Other	Graduate Student, Internal Field Assistance, Internal Technical Assistance	

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Piping Plover (Charadrius melodus)	1	2.21	Protect wintering habitat from shoreline stabilization, navigation projects, and development.	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Federal Emergency Management Agency, State Coastal Regulatory Agencies, State Wildlife Management Agencies, U.S. Army Corps of Engineers, USFWS Regional Office 4 - Ecological Services, USFWS Regional Office 2 - Ecological Services	Other	Internal Technical Assistance	Costs are contingent on numbers and types of projects proposed
Piping Plover (Charadrius melodus)	2	2.22	Protect wintering plovers from disturbance.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, USFWS Regional Office 2 - Ecological Services, USFWS Regional Office 2 - Refuge, USFWS Regional Office 2 - Law Enforcement, USFWS Regional Office 4 - Law Enforcement, Land Management Agencies and Organizations	Management: Other	Internal Field Assistance, Internal Technical Assistance	Most costs will be incurred in FL.
Piping Plover (Charadrius melodus)	1	2.23	Protect wintering plovers and habitat from oil and chemical spills.	Ongoing Current	Prior to FY 1995		State Coastal Regulatory Agencies, State Wildlife Management Agencies, United States Coast Guard, USFWS Regional Office 4 - Ecological Services, USFWS Regional Office 2 - Ecological Services	Other	Contract, Internal Field Assistance, Internal Technical Assistance	Costs are contingent on number and magnitude of spills.

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Piping Plover (Charadrius melodus)	2	2.24	Apprise agencies of threats to wintering piping plovers and habitats.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, USFWS Regional Office 2 - Ecological Services	Other	Internal Technical Assistance	
Piping Plover (Charadrius melodus)	2	2.25	Update lists of essential wintering habitat.	Ongoing Current	FY 1995 - FY 1999		State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, USFWS Regional Office 2 - Ecological Services	Other	Internal Technical Assistance	\$10K in FY1 is to compile updates from 1996 International Census.
Piping Plover (Charadrius melodus)	3	2.26	Provide long-term protection for wintering plovers and habitat.	Ongoing Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Fish and Wildlife Enhancement, USFWS Regional Office 4 - Ecological Services, R2 Fish & Wildlife Enhancement, Realty, USFWS Regional Office 2 - Ecological Services, Land Management Agencies and Organizations	Acquisition: Management Agreement, Management: Planning	Internal Technical Assistance	TBD
Piping Plover (Charadrius melodus)	3	2.31	Identify important migration habitat.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Other	Contract, Internal Field Assistance, Internal Technical Assistance	
Piping Plover (Charadrius melodus)	3	2.32	Identify and mitigate adverse effects on migration habitat.	Not Started			State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Other	Internal Field Assistance, Internal Technical Assistance	TBD

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Piping Plover (Charadrius melodus)	2	3.1	Investigate piping plover wintering ecology.	Ongoing Current	Prior to FY 1995		Research Institutions, National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, USFWS Regional Office 2 - Ecological Services	Research: Competition, Research: Habitat Requirements, Research: Other Information	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	Plus \$75K in FY 04
Piping Plover (Charadrius melodus)	2	3.21	Compare foraging resources along Atlantic Coast breeding habitat.	Ongoing Current	Prior to FY 1995		Research Institutions, National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Research: Habitat Status	Graduate Student, Internal Technical Assistance	
Piping Plover (Charadrius melodus)	2	3.22	Determine moisture-related requirements of breeding plovers and chicks.	Not Started			Research Institutions, National Park Service, State Wildlife Management Agencies, USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Research: Habitat Requirements	Graduate Student, Internal Technical Assistance, Species Expert	
Piping Plover (Charadrius melodus)	2	3.23	Evaluate impacts of artificial inlet closure and other beach stabilization projects on habitat suitability.	Ongoing Current	Prior to FY 1995		Research Institutions, National Park Service, State Coastal Regulatory Agencies, U.S. Army Corps of Engineers, USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Research: Habitat Requirements	Graduate Student, Species Expert	Plus \$75K in FY 04 and FY 05
Piping Plover (Charadrius melodus)	2	3.3	Monitor levels of contaminants.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, Region 5 - Ecological Services	Research: Environmental Contaminants	Internal Technical Assistance	

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Piping Plover (Charadrius melodus)	3	3.41	Develop conditioned taste aversion techniques.	Ongoing Not Current	Prior to FY 1995		National Park Service, State Wildlife Management Agencies, Animal Damage Control (USDA) , Region 5, Division of Refuges and Wildlife, Region 5 - Ecological Services	Research: Management Techniques, Research: Predation	Graduate Student, Internal Field Assistance, Internal Technical Assistance	TBD
Piping Plover (Charadrius melodus)	3	3.42	Test artificial coyote territories.	Ongoing Not Current	Prior to FY 1995		National Park Service, Animal Damage Control (USDA) , Region 5 - Ecological Services	Research: Predation	Graduate Student, Internal Field Assistance, Internal Technical Assistance	
Piping Plover (Charadrius melodus)	3	3.43	Evaluate threats from ghost crabs.	Ongoing Not Current	Prior to FY 1995		Research Institutions, Region 5, Division of Refuges and Wildlife, USFWS Regional Office 4 - Ecological Services, Regional Office 4 - Department of Refuges, Region 5 - Ecological Services	Research: Predation	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	TBD
Piping Plover (Charadrius melodus)	3	3.44	Develop and test electric fences.	Ongoing Current	FY 1995 - FY 1999		Animal Damage Control (USDA) , Region 5, Division of Refuges and Wildlife, Region 5 - Ecological Services	Management: Depredation Control	Internal Field Assistance, Internal Technical Assistance	TBD
Piping Plover (Charadrius melodus)	3	3.5	Analyze population trends and productivity to determine survival rates.	Ongoing Current			Research Institutions, Region 5 - Ecological Services	Research: Demographic Studies	Graduate Student, Internal Technical Assistance, Species Expert	Repeat in FY 6
Piping Plover (Charadrius melodus)	3	3.6	Determine temporal distribution of mortality.	Not Started			Research Institutions, Region 5 - Ecological Services	Research: Demographic Studies	Graduate Student, Species Expert	TBD
Piping Plover (Charadrius melodus)	3	3.7	Develop a metapopulation model to estimate extinction probability.	Not Started			Research Institutions, Region 5 - Ecological Services	Research: Demographic Studies	Graduate Student, Species Expert	
Piping Plover (Charadrius melodus)	3	3.8	Estimate effective population size.	Not Started			Research Institutions, Region 5 - Ecological Services	Research: Demographic Studies	Graduate Student, Species Expert	

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Piping Plover (Charadrius melodus)	3	3.9	Develop safe plover marking techniques.	Ongoing Current	Prior to FY 1995		Research Institutions, Region 5 - Ecological Services	Research	Graduate Student, Species Expert	TBD
Piping Plover (Charadrius melodus)	2	4	Inform and educate the public.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Public Affairs, State Wildlife Management Agencies, Public Affairs , USFWS Regional Office 4 - Ecological Services, Region 5 - Ecological Services	Other: Information and Education	Internal Technical Assistance	
Piping Plover (Charadrius melodus)	3	5	Review progress and revise recovery efforts.	Ongoing Current	Prior to FY 1995		State Wildlife Management Agencies, Region 5 - Ecological Services	Other	Internal Technical Assistance	